

**IFWP** 

RAW SEQUENCE LISTING DATE: 07/25/2006
PATENT APPLICATION: US/10/551,492 TIME: 15:59:20

Input Set : N:\AMC\551492.txt

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3 <110> APPLICANT: MEINKE, ANDREAS
             MIN BUI, DUC
             NAGY, ESZTER
     7 <120> TITLE OF INVENTION: S. Epidermidis Antigens
     9 <130> FILE REFERENCE: SONN:078US
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/551,492
    12 <141> CURRENT FILING DATE: 2005-09-30
    14 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/003398
    15 <151> PRIOR FILING DATE: 2004-03-31
    17 <150> PRIOR APPLICATION NUMBER: EP03450078.5
    18 <151> PRIOR FILING DATE: 2003-03-31
    20 <160> NUMBER OF SEQ ID NOS: 64
    22 <170> SOFTWARE: PatentIn version 3.1
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    32 agtggttcgc tggttggtta tggcttcaca aaagatgctt ttgcagattc agaaagtaca
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    34 tcatcaaatg ttgaaaatac ttctaatagt aactccatcg ctgacaaaat ccaacaagct
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    36 aaagatgata ttaaagattt gaaagaactt tetgaegeag atateaaaag ttttgaagaa
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    38 cgtttagata aagtcgataa tcaatcaagt attgaccgta ttataaatga tgcaaaagat
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    40 aaaaataatc atttaaaatc gacagactct agtgccacat catcaaaaac tgaagatgac
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    42 gatacatetg aaaaagataa tgatgatatg actaaagact tagataaaat actgteggat
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    44 ttagattcaa ttgctaaaaa tgttgataac cgtcaacaag gtgaagagag agcttctaaa
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    46 cctagtgact caacaaccga tgaaaaagat gattcaaata ataaagtaca cgatacaaat
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    48 gctagtacac gtaatgcaac tactgatgat tetgaagagt eggttattga taaattagat
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    50 aaaatccaac aagattttaa atctgactct aataataatc cttctgaaca aagcgatcag
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    52 caagcatcac catctaataa aaccgaaaat aacaaagaag aatctagtac gacaacaaat
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    58 aaacaagata tacaagcaat tacacgttca ttacaaggta qtqataaqat tqaaaaagca
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    60 cttgctaagg tacaatctga caatcaatca ctagattcta attatataaa taataaatta
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    62 atgaatttaa gatcactaga tacaaaagta gaggataata acactttatc tgatgataag
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    64 aaacaagege ttaaacaaga aattgataag actaageaaa gtattgaceg acaaagaaat
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    66 attattatag atcaactcaa tggtgctagt aataaaaaac aagcaaccga agatatctta
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    68 aatagtgttt ttagcaaaaa tgaagtagaa gacataatga aacgtattaa aacaaatggc
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    70 cgaagtaatg aagatatcgc taatcaaatt gccaagcaaa ttgatggtct tgcattaact
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    72 tctagtgatg atattttaaa atcaatgtta gatcaatcta aagataaaga aagtttaatt
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    76 ttaagccaaa acttgtcgaa ttctcaaatt gtagaacaat taaaacgtca tttcaatagt
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Input Set : N:\AMC\551492.txt

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82 gctgatgtta ttgcgcgtgt acaaaaggac aaatcagata tcatggatct cattcactct
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84 gcgattgaag gcaaggcaaa tgatttatta gatatagaaa aacgagcaaa acaagctaag
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86 aaagatttag aatatatttt agatootata aagaatagao catoottgtt agatogtatt
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88 aacaaaggtg tcggtgattc taattcaata tttgatagac caagtttact tgataaactt
90 cactcaagag gatctattct tgataaatta gatcattcgg caccggagaa tggattatct
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92 ttagataata aaggtggcct tttaagtgat ctatttgacg acgatggtaa tatctcatta
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94 ccagcgacag gtgaagtcat caaacaacat tggataccag tggctgttgt actcatgtca
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102 <213> ORGANISM: Staphylococcus epidermidis
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117 gaaccgaata aatacgaaga cagttttagt ttaacgtcac tcatccaaaa tttatttgat
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119 tttgattctg atataacaga ttacgaacag ccacaaaaga caagccattc ttctaatgac
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125 aaccaccaag ccgattctga cgtcagtgat ttacttggag aaatggataa agaagatcaa
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127 gaaggcgaaa acgtagatac aaacaaaaat caatcttctt ctgagcaaca acaaactcaa
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133 agcaagaata caagtcacac taaaacatct caaagtgata atgccgacaa aaatccacaa
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139 ggtgacttat cttctgattc atttaatgtt gttgacagtc aagacacacg tgatttcatt
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163 gaaggetata eggtaaegea cacacetaaa aateataetg cagttgtgtt tgaagetggg
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165 caattaggtg ctgatacaca gtatggtcat gttgccttcg ttgaaaaagt taatgacgac
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167 ggttcaattg ttatttctga atcaaatgtt aaaggattag gtgtcatttc attcagaact
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172 <210> SEQ ID NO: 3
173 <211> LENGTH: 492
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Input Set : N:\AMC\551492.txt

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175 <213> ORGANISM: Staphylococcus epidermidis
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182 tggtatcaat ctaaagcaaa aataaacgaa cctatatggg tttatgaaaa agaagggaaa
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184 gtagttggtt ttgccactta tggttccttt agacaatggc cggcctattt atatactatt
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186 gaacatteta tatatgttea teaacagtae agaggaetag gtategette teaattatta
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188 gagaatttaa ttcgttacgc taaagaacaa ggttatcgca ccattgttgc tgggattgat
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190 gcatcgaaca tggatagtat cgcattgcat aagaagtttg acttctcaca tgcaggtaca
192 attaaaaatg taggttataa atttgatcga tggctcgatt tatcatttta tcaatatgat
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198 <211> LENGTH: 2856
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205 agttcccata aaggcaattt tgttccaaga ttactagtaa ataacaaaga agaaaatgta
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207 ctttctacta ttatagatca gctgcataat tgccaatcat tttgtatttc ggttgcattt
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209 ataaccgaga gtggtttagc aagtctaaaa tcacattttt atgatttaag taagaaaggc
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211 gtaaaaggaa ggataataac atcaaattac ttaggtttta atagtccgaa aatgtttgag
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213 gaattattga aattagagaa tgtagaggtt aaattaacaa acattgaggg gttccatgct
215 aaggggtaca tatttgaaca tcataaccac acttctttta ttatagggag ttcgaattta
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217 acttctaatg cattgaaatt gaattatgaa cataatttat ttttatctac tcataaaaat
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221 ttaactaatg aatggataaa tgaatataaa cagtcttttg aatatcaaac attgcaaaaa
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223 gtatttgata acactgttgt tcaaaattca gatattaaaa agtttaatga atcaaaactt
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225 ataaaaccca atttaatgca agaacacgca ttaaagtcat tagagtcttt gagaaatgtg
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227 ggagaagaaa aggggttaat tatatetgeg acagggaetg gaaaaaetat tttatgegea
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229 cttgatgtaa gagcttattc tccagataaa tttctattta ttgttcataa tgaaggtata
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233 ggattattaa caggaaaacg aaaggatcat gatgctaaat tcctttttgc aacaattcaa
235 acactttcta aaaaggaaaa ttataaattg tttaactcta atcattttga ctacatcgtt
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237 tttgacgagg ctcatcgaat tgctgcatct agttatcaga aaatatttaa ttattttaaa
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241 gaattgttta attataatat tgcttatgaa attcgtttac aagaggcttt agagagtaat
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243 attttatgtc cttttcatta ttttggagtt acagattata ttcaaaatga aatgagtcaa
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245 gaagatgcat ttaatctaaa atatttagca tctaatgaac gtgttgaaca catcataaaa
247 aagactaatt attatggtta ttcaggtgac gttttaaagg gtttaatatt tgttagtagt
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249 aggggtgagg cgtatcaatt agcaaaccaa ttaagtaaac gtggtatatc atcggttggt
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253 tetattaatt atataattae tgtagatttg tttaacgaag gaattgatat teetgaaata
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255 aatcaagttg taatgttaag acctactaaa tcaagtatta tatttattca acagcttggt
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257 agaggattaa gaaaaagtac taataaagaa tttgttactg ttattgattt tatcggtaat
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259 tataaaacta actatatgat cccaatagcc ttatctggaa ataaatctca aaataaggat
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261 aattacagaa aattottaac agatactacg gttttaaacg gtgtttcaac aataaatttt
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263 gaagaagtag ctaaaaataa aatttataat tcactagatt ctgttaaatt aaatcaacca
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265 aaattaatta aagaagettt taacaatgta aaagacegta taggtaaatt acetttaett
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Input Set : N:\AMC\551492.txt

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267 atggacttta taaataacga ttcgattgat ccaagtgtga ttttctcacg ttttaaaaaat
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271 aaaaatttaa catttttatc aagacaatta acacctggac ttaaaaaagt agatattgat
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273 gtattgaaag aaattataca aaatgacgta acttatgaaa atttaacaaa aaaaatgtta
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275 aacattaata acgatatttc ggaatatgat attaacactt cattaagcat tttagatttt
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277 acttttttca aaaagactat aggtaaaact tacggattac ctttaataca atataaggat
279 aatcttattt gtctagcaaa tgaatttaaa gaggctttaa ataaaccact atttaacaca
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281 tttattcatg atttaattga tcttgctaat tataataatg acagatatca aaataagaaa
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283 aacagtttaa ttctatataa caaatattct agggaagatt ttgttaagtt attaaactgg
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285 gataaagatg aatctggaac aatcaatggt tatcgtatga aacatcgtac acttccttta
287 tttatcacti atgataaaca tgagaatatc agtgataata ctaagtacga cgatgaattt
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289 ttgagccaag acgaattgaa atggtacacg cggtccaatc gtaaattaac ttcaccagaa
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291 gtacaaaata ttttaaagca tgaagaaagt aatacagata tgtatatatt tgtgaaaaaa
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293 agagatgatg aagggaaata tttctactat ttaggtaaag ccaaatatat taaaggaact
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295 gagaagcaag attatatgcc taatggaaat agcgtggtaa ctatgcatct atcaatgaat
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303 <213> ORGANISM: Staphylococcus epidermidis
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310 totgaaacac caacagttga acaaatagaa caattaaaag tacttgttto tgaagaatta
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312 actcaatatg cgtcttcaat tttattagat ccagaatatg gtttaccagc atcagatgct
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314 cgaaataatg actgcggact attacttgca tacgaaaaaa ctggatatga tgtgaatgcg
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316 aaaggtcgtt tgccagattg cttggtagaa tggtctgcga aacgtttgaa agagcaaggg
318 gccaatgcag ttaaattttt actttattat gatgtagatg acacagaaga aattaacata
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320 caaaagaaag catatattga acgaattggt tcagaatgtg ttgccgaaga tattcctttc
322 ttettggaag ttttaacata tgacgacaat atteetgaca ataaaagtge agaatteget
324 aaagttaagc cacgtaaagt taatgaagca atgaagttat tetetgaaga tegttttaat
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326 gtggatgtac ttaaagttga agtacctgtg aatatgaatt ttgtggaagg attttcagaa
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328 ggagaagttg tttatactaa agaagaagct gcacaacatt tccgtgatca agatgcagct
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330 actcacttac catatattta tttaagtgca ggtgtatcag cagaattgtt ccaagataca
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332 ttaaaatttg cgcatgattc tggtgcgcaa ttcaatggtg ttttatgtgg acgtgccaca
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334 tggtcaggag cagttaaggt atacattgaa gaaggagagc aagctgccag agaatggttg
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342 <211> LENGTH: 1146
343 <212> TYPE: DNA
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351 catagagaga tgcttgattc agtgttgaat acttttaaca taagtgcaga ttatgatttg
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353 aatattatga aagctggtca aacattgtct gaagtaacat ctgaagcaat gaaaaagtta
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355 gaagatatca tacaaaagga agtgcctgat atggtacttg ttcatggtga tacagtgaca
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Input Set : N:\AMC\551492.txt

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363 gagggtaaat tagccaaaca tatagctatc actggtaata cagctattga cgcaatgaat
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371 aatcccaaag taagagatat tgcgcaaaaa tatttaggaa atcatcctag gattgaattg
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381 aaaatgagtc aagctgttaa tccatatggc gatggacaag ctagtgagag aattgtgcaa
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391 <213> ORGANISM: Staphylococcus epidermidis
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442 gttaaaggta atgagttatc tcaattctca aatgcagcat taattgctgc taacgttggt
                                                                         1500
444 gagattgacg ctaaacaagc ttctgaatat ttaacttcta tgtctgctca gtgggaaacg
                                                                         1560
446 actggaaacc aagctatgag acaagttgac tcactcaacg aagtttccaa taaatatgct
                                                                         1620
448 acaactgttg aaaagttagc acaaggtcaa gcaaaagctg gctctactgc taaatcaatg
                                                                         1680
450 ggacttactt ttgatgaaac taatggtatt attggtgcat taacagctaa gactaagcaa
                                                                         1740
452 tetggggaeg aaattggtaa etttatgaaa gecaetttae etaaaettta tagtggtaaa
                                                                         1800
```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/551,492

DATE: 07/25/2006

TIME: 15:59:21

Input Set : N:\AMC\551492.txt

Output Set: N:\CRF4\07252006\J551492.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number